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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	New Application	
			Filing Date	To Be Assigned	
			First Named Inventor	Yunbiao Shen	
			Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	D5437

U.S. PATENT DOCUMENTS					
Examiner Initials ²	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
		US- 6,546,782	4/15/2003	DeLaCruz et al.	
		US- 6,497,223	12/24/2002	Tuken et al.	
		US- 6,443,104	9/3/2002	Simescu et al.	
		US- 5,412,981	5/9/1995	Myers et al.	
		US- 5,359,883	11/1/1994	Baldwin et al.	
		US- 4,712,421	12/15/1987	Young	
		US- 4,721,247	1/26/1988	Perr	
		US- 4,559,821	12/24/1985	Engeler et al.	
		US- 4,337,650	7/6/1982	Brandt	
		US- 4,061,027	12/6/1977	Emerson	
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FOREIGN PATENT DOCUMENTS							
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		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	New Application
		Filing Date	To Be Assigned
		First Named Inventor	Yunbiao Shen
		Group Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	D5437	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
HA		DAVID P. SCHMIDT, TZAY-FA SU, KAYHAN H. GONEY, P.V. FARRELL & M.L. CORRANDINI, "Detection of Cavitation in Fuel Injector Nozzles," (Engine Research Center at the University of Wisconsin).	
HA		TIMOTHY J. CALLAHAN & GARY D. BOURN, "Investigation of Diesel Spray Penetration, Vaporization, and Combustion in a Pilot-Ignited Natural Gas Engine," 03-9074 (Southwest Research Institute 2003).	
HA		"Standard Test Method for Shear Stability of Polymer Containing Fluids Using a European Diesel Injector Apparatus," D6278-02 (ASTM International 2003) <www.astm.org>.	
HA		"Evaluation of the Mechanical Shear Stability of Lubricating Oils Containing Polymers," (Fuel Injection Pump) CEC L-14-A-93 (Co-ordinating European Council 2003) <www.cectests.org>.	

Examiner Signature	<i>A. Miller</i>	Date Considered	FEB 15, 2004
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